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## METHOD OF MANUFACTURING AND STRUCTURE OF SEMICONDUCTOR DEVICE WITH FLOATING RING STRUCTURE

## ABSTRACT

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A high voltage semiconductor device includes a drain region disposed within a semiconductor substrate. The semiconductor device further includes a field oxide layer disposed outwardly from the drain region of the semiconductor substrate. The semiconductor device also includes a floating ring structure disposed inwardly from at least a portion of the field oxide layer. In one particular embodiment, a device parameter degradation associated with the semiconductor device comprises one (1) percent or less after approximately five hundred (500) seconds of accelerated lifetime operation.